

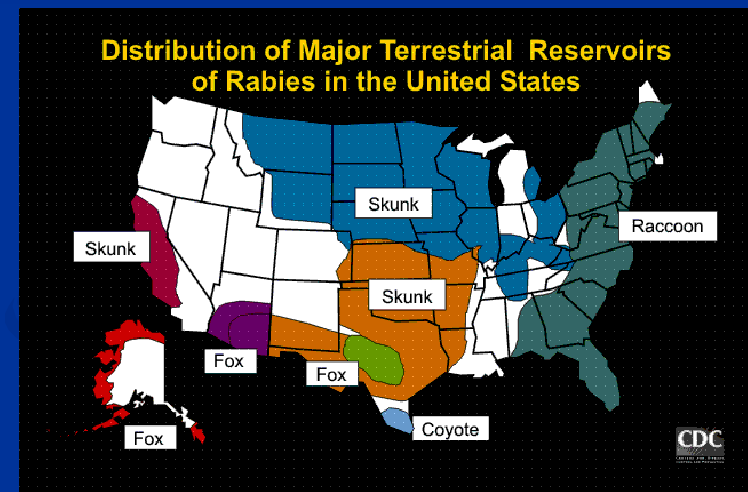
A Raccoon Strain Rabies Enhanced Surveillance System for Michigan



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Wildlife Disease Biologist

What is Enhanced Surveillance?

- Public health surveillance
 - Exposures of humans and/or pets
- Enhanced surveillance
 - Road-kills
 - Found dead
 - Hunting/Trapping
 - Nuisance animals
 - Abnormal behavior (rabies suspects)



Objectives

- Early detection of raccoon strain rabies (RSR)
- Upon detection of RSR, shift the focus to area surrounding the case
- Following an ORV program, in the areas of baiting to evaluate baiting strategy

2005 Pilot Year

- Acquiring supplies
- Training personnel
- Began collecting samples from highest risk area (SE Michigan)
 - Proximity to RSR endemic areas
 - Introduction via translocation – trucking

All Aboard!

Next Stop, Michigan



Baseline Data – Density Study



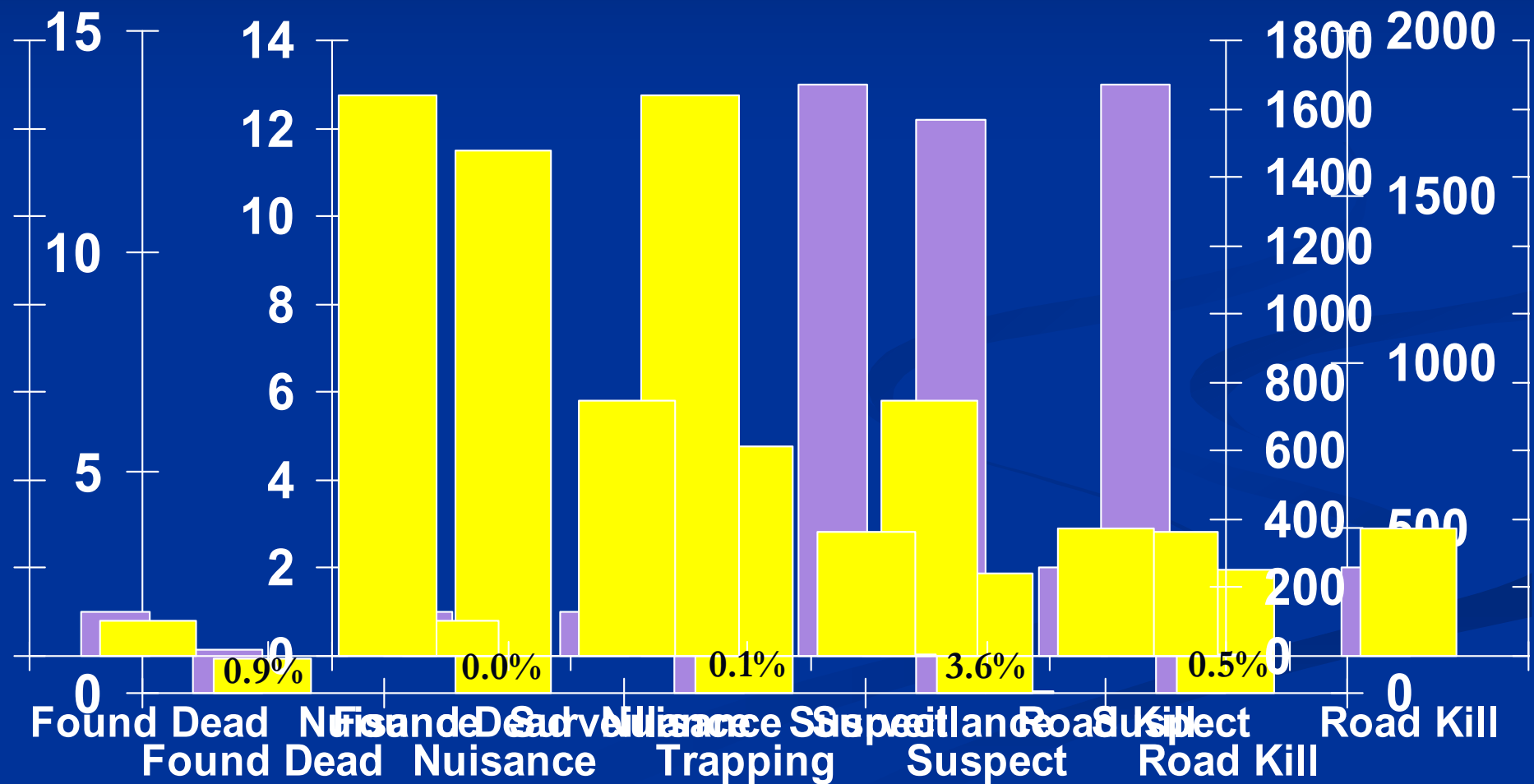
Phase I - Early Detection

- Need samples from raccoons, skunks, coyote, fox
- Priority area – SE Michigan
- Target “Suspect” animals for testing
 - Aimless wandering, incoordination
 - Loss of fear towards humans or pets
 - Weakness/paralysis in hind legs
 - Shaking/tremors
 - Self-mutilation



Ohio 2005 Enhanced Surveillance

■ Number of Positives ■ Total Number Collected



How to Implement an Enhanced Surveillance System?

- Who will collect animals?
- How to get samples to lab?
- Who will conduct the test?
 - USDA-Wildlife Services – Free of charge



Sorting Out Wildlife Calls from the Public



Live wild animals should not be physically handled under any circumstance.
When handling animals in live traps, wear heavy leather gloves. Dead animals should be handled while wearing disposable gloves or with an implement such as a shovel.

START

Is the animal a bat and in the house?

YES

Call County Health Department

Online Directory:

<http://www.malph.org/page.cfm/108>

•For instances involving bats, if no exposure is determined by Health Department, continue through flow chart.

NO

Has a human or pet been bitten or scratched, or is there any question about possible exposure to disease?

YES

Is the animal a raccoon, fox, or skunk (rabies vector species)?

NO

YES

Is the animal dead or acting sick?

- Aimless wandering, incoordination
- Loss of fear of humans or pets
- Weakness/paralysis in hind legs
- Shaking/tremors

Call local MDNR field office

Online Directory: <http://tinyurl.com/pjno5>

or

Report sick or dead wildlife online

http://www.michigandnr.com/diseasedwildlifereporting/disease_obsreport.asp

NO

Call USDA-Wildlife Services

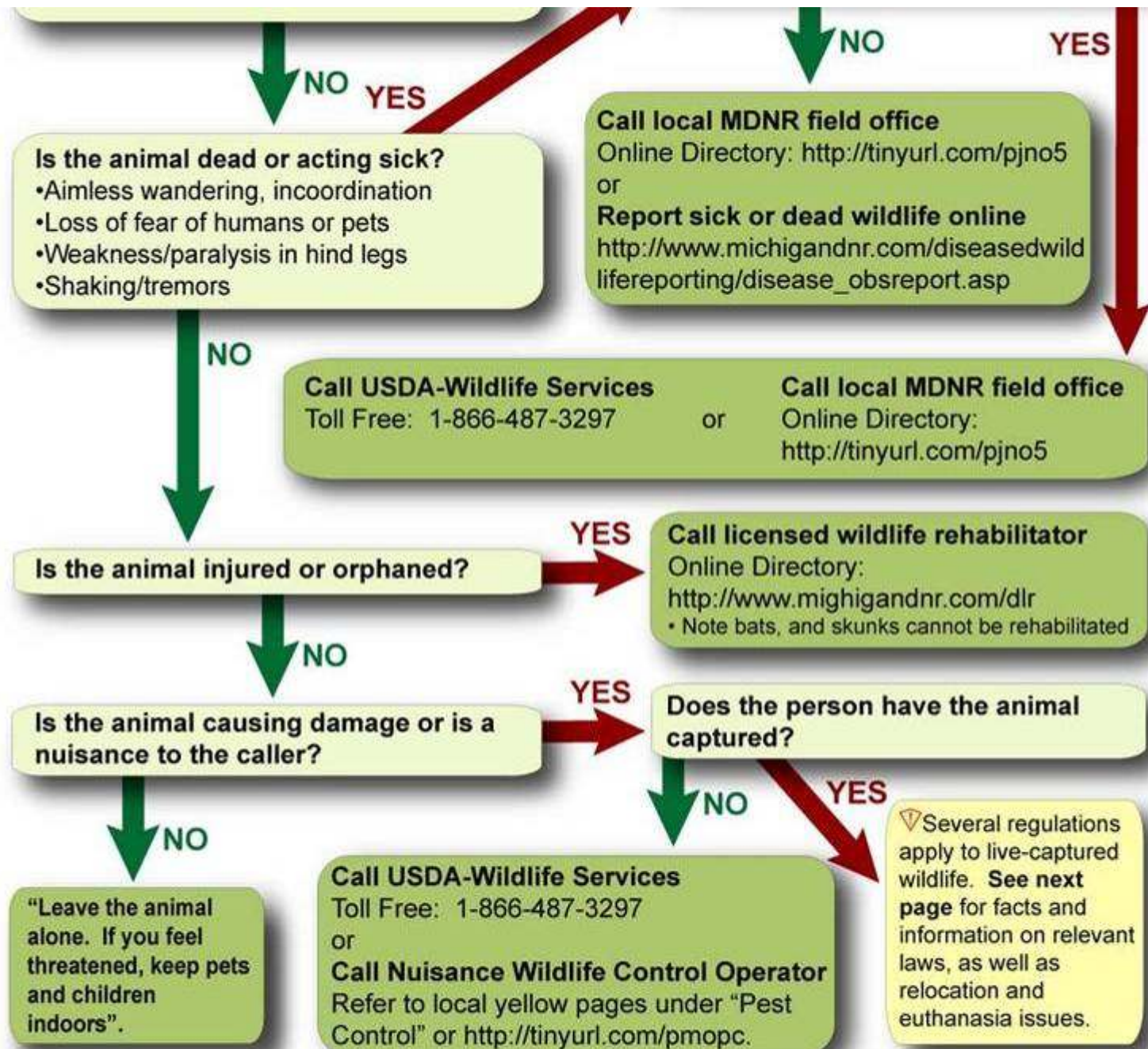
Toll Free: 1-866-487-3297

or

Call local MDNR field office

Online Directory:

<http://tinyurl.com/pjno5>



Laws and Regulations

- Possession of Live Animals
- Relocation
- Euthanasia
 - Unprotected species
 - Methods of Euthanasia
 - Disposal



We Want YOU!



PROACTIVE

VS.

REACTIVE

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